

1 73. (New) An electronically-readable medium storing a program for permitting a computer  
2 to perform a method for adding detail to a texture map comprising at least one texture element,  
3 the method comprising:  
4 generating a detail map;  
5 assigning a pointer into said detail map to at least one of the texture elements of the  
6 texture map to generate a pointer map, said pointer comprising two offsets including a first offset  
7 stored in a first offset map and a second offset stored in a second offset map;  
8 interpolating detail color based on the generated detail map;  
9 interpolating texture color based on the texture map; and  
10 combining detail color with texture color to generate a pixel color.

#### REMARKS

This application has been filed with Claims 1-57 which are derived from Application Number 08/884,044 entitled SYSTEM AND METHOD FOR MAPPING TEXTURES ONTO SURFACES OF COMPUTER-GENERATED OBJECTS. In that case, the Examiner issued a restriction requirement in an Official Action dated November 23, 1999. Specifically, in the Official Action the Examiner indicated that the pending claims should be divided into five different inventions (I-V) as follows:

- I. Claims 1-5, and 54-59 drawn to mapping a texture on a surface classified in class 345, subclass 430;
- II Claims 6-7, 25-26, and 60 drawn to specular reflected light classified in class 345, subclass 426;
- III. Claims 8-12, 27-28, and 61 drawn to detail map which is classified in class 345, subclass 430;
- IV. Claims 13-14, and 62 drawn to linking texture maps, classified in class 345, subclass 430; and
- V. Claims 15 and 34 drawn to prefiltering video image, classified in class 382, subclass 260.

$$\begin{array}{ccccccc} \{P^{(1)}_{\alpha}\} & \{P^{(1)}_{\beta}\} & \{P^{(1)}_{\gamma}\} & \{P^{(1)}_{\delta}\} & \{P^{(1)}_{\epsilon}\} & \{P^{(1)}_{\zeta}\} & \{P^{(1)}_{\eta}\} \\ \{P^{(2)}_{\alpha}\} & \{P^{(2)}_{\beta}\} & \{P^{(2)}_{\gamma}\} & \{P^{(2)}_{\delta}\} & \{P^{(2)}_{\epsilon}\} & \{P^{(2)}_{\zeta}\} & \{P^{(2)}_{\eta}\} \\ \{P^{(3)}_{\alpha}\} & \{P^{(3)}_{\beta}\} & \{P^{(3)}_{\gamma}\} & \{P^{(3)}_{\delta}\} & \{P^{(3)}_{\epsilon}\} & \{P^{(3)}_{\zeta}\} & \{P^{(3)}_{\eta}\} \\ \{P^{(4)}_{\alpha}\} & \{P^{(4)}_{\beta}\} & \{P^{(4)}_{\gamma}\} & \{P^{(4)}_{\delta}\} & \{P^{(4)}_{\epsilon}\} & \{P^{(4)}_{\zeta}\} & \{P^{(4)}_{\eta}\} \\ \{P^{(5)}_{\alpha}\} & \{P^{(5)}_{\beta}\} & \{P^{(5)}_{\gamma}\} & \{P^{(5)}_{\delta}\} & \{P^{(5)}_{\epsilon}\} & \{P^{(5)}_{\zeta}\} & \{P^{(5)}_{\eta}\} \\ \{P^{(6)}_{\alpha}\} & \{P^{(6)}_{\beta}\} & \{P^{(6)}_{\gamma}\} & \{P^{(6)}_{\delta}\} & \{P^{(6)}_{\epsilon}\} & \{P^{(6)}_{\zeta}\} & \{P^{(6)}_{\eta}\} \\ \{P^{(7)}_{\alpha}\} & \{P^{(7)}_{\beta}\} & \{P^{(7)}_{\gamma}\} & \{P^{(7)}_{\delta}\} & \{P^{(7)}_{\epsilon}\} & \{P^{(7)}_{\zeta}\} & \{P^{(7)}_{\eta}\} \\ \{P^{(8)}_{\alpha}\} & \{P^{(8)}_{\beta}\} & \{P^{(8)}_{\gamma}\} & \{P^{(8)}_{\delta}\} & \{P^{(8)}_{\epsilon}\} & \{P^{(8)}_{\zeta}\} & \{P^{(8)}_{\eta}\} \\ \{P^{(9)}_{\alpha}\} & \{P^{(9)}_{\beta}\} & \{P^{(9)}_{\gamma}\} & \{P^{(9)}_{\delta}\} & \{P^{(9)}_{\epsilon}\} & \{P^{(9)}_{\zeta}\} & \{P^{(9)}_{\eta}\} \\ \{P^{(10)}_{\alpha}\} & \{P^{(10)}_{\beta}\} & \{P^{(10)}_{\gamma}\} & \{P^{(10)}_{\delta}\} & \{P^{(10)}_{\epsilon}\} & \{P^{(10)}_{\zeta}\} & \{P^{(10)}_{\eta}\} \end{array}$$

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